

Amendments to the specification

Please replace paragraph 16 with the following paragraph:

[16] Figure 2 shows an implantable electrical stimulation system in accordance with an embodiment of the invention. An implantable pulse generator (IPG) 220 generates the stimulation signals. The structure and operation of IPGs is known to those skilled in the art. IPG 220, which includes housing 220a, is connected to extension unit 226, which includes housing 226a, with three electrical conductors 222-224. Extension unit 226 is connected to implantable electrode array 228 with six conductors 230-235. Extension unit 226 receives three electrical signals on conductors 222-224 and transmits those signals to three of conductors 230-235. Figure 2 shows an embodiment in which extension unit 226 is located closer to implantable electrode array 228 than to IPG 220 to minimize the overall length of the conductors connecting IPG 220 to implantable electrode array 228. Extension unit 226 will be described in detail with reference to figure 3.